359-379

350
69

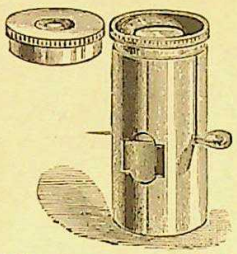
550
518

1855

A COMBINATION MICROSCOPE.

Am. Miller 5/1/87 325

Every miller knows, or should know, the value of a microscope in many of the practical details of his business. Our illustration shows a combination microscope



which magnifies fifty diameters, or 2,500 times. It has an insect holder, and can be used for examining flowers, as well as grain, flour, insects, and water. Any ordinary microscope reveals a world of unexpected beauty in the simplest and commonest objects; while to many occupations the microscope has become a matter of absolute necessity.

We are told that the microscope in question is a new invention, the secret of its power lying in the peculiar material used in the manufacture of the lenses. The small glass shows animalculæ in a drop of flour and water, the cellular structure of the blood, and tubular form of a hair; is useful for ascertaining impurities in water, weakness of the blood, and for close examination of minute objects. The large glass shows the fibrous texture of cloths, enabling you to detect shoddy and all mixtures of cotton, woolen or silk goods. By using the slotted cylinder and glass headed pin, a new world is opened to your view; flies are found to have a trunk like an elephant, to have spikes on their legs, and sponges on their feet. To millers this microscope has the added value of practical utility in his trade in the examination of grain, flour and mill products. This valuable little instrument is handled and sold by the H. J. Deal Specialty Co. of Bucyrus, Ohio, who will furnish all desired information.

359/379